

State of Nevada Unemployment Insurance Claims

Filing Statistics for Week Ending 4/18/2020

Department of Employment, Training & Rehabilitation

Dr. Tiffany Tyler-Garner, Director

Dennis Perea, Deputy Director

Kimberly Gaa, Administrator

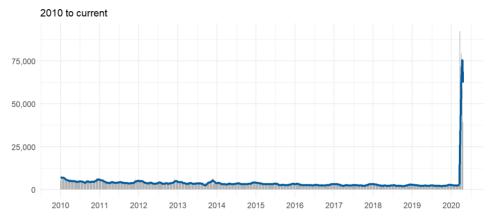
David Schmidt, Acting Deputy Administrator & Chief Economist

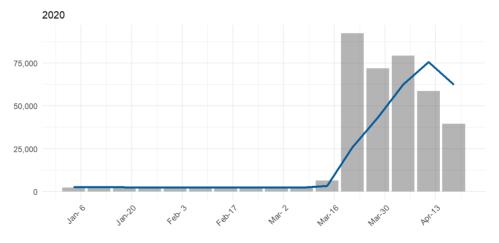
Weekly Federal Claim Statistics

UI Initial Claims by Week

- Final initial claims number for week ending 4/18/2020 (ETA 539).
- At 39,496 claims, Nevada saw initial claims decline by 19,145, or 32.6%, from the previous week.
- This is the fifth highest weekly total in Nevada history.

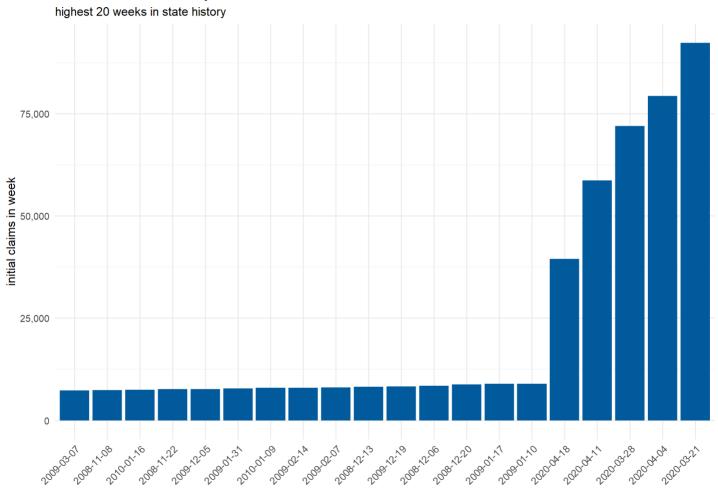
State of Nevada Weekly Initial Claims for Unemployment Insurance





State of Nevada Initial Claims All-Time Weekly Highs

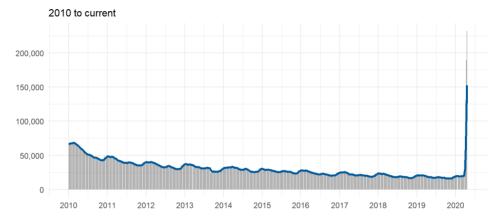


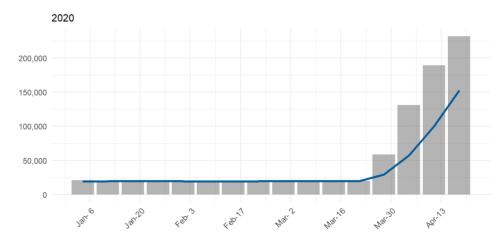


UI Continued Claims by Week

- Final continued claims number for week ending 4/18/2020 (ETA 539).
- Continued claims for regular UI totaled 231,618 in the week, an increase of 42,611 claims from a week ago.
- Weekly continued claims tend to lag initial claims.
 Continued claims levels will continue to increase as we see elevated levels of initial claims.

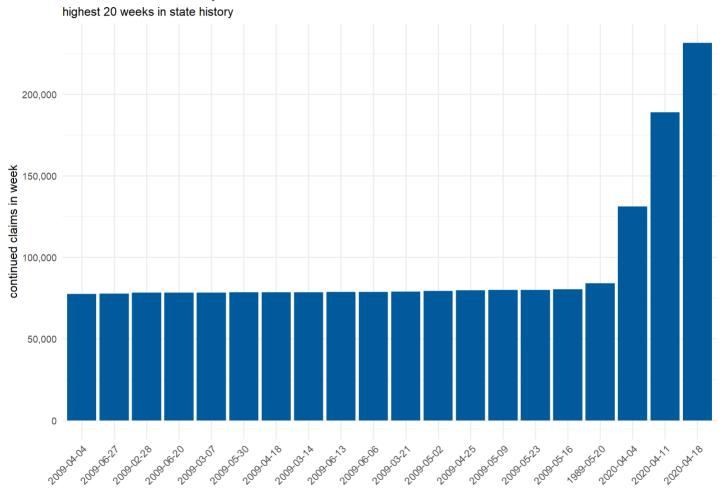
State of Nevada Weekly Continued Claims for Unemployment Insurance





State of Nevada Continued Claims All-Time Weekly Highs

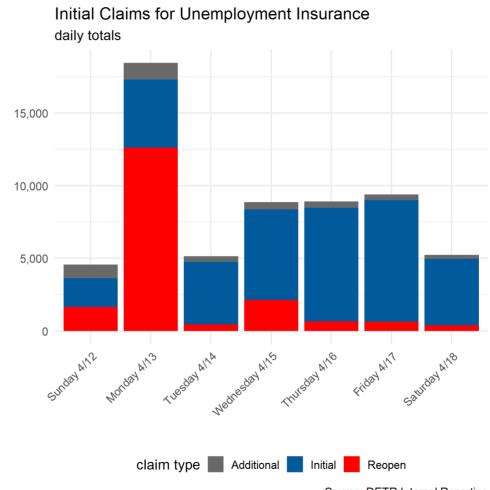




Daily Claim Statistics

UI Initial Claims by Day for Week Ending 4/18/2020

- Initial claims by type and filing method for week ending 4/18/2020.
- Initial claims include new, additional, and reopened (see end of document for glossary of terms). Reopened claims are not counted in federal reporting totals.
- Daily data is unofficial and is unlikely to match federal reporting totals due to reporting differences.



UI Initial Claims by Day for Week Ending 4/18/2020

Claim Type	Filing Method	Sunday 4/12	Monday 4/13	Tuesday 4/14	Wednesday 4/15	Thursday 4/16	Friday 4/17	Saturday 4/18	Total	
Claim Type & Filing Method										
Additional	Internet	137	561	130	246	230	228	162	1,694	
Additional	Phone	807	569	265	251	208	176	105	2,381	
Initial	Internet	1,965	4,187	3,783	5,788	7,465	7,988	4,560	35,736	
Initial	Phone	2	514	510	438	349	361	16	2,190	
Reopen	Internet	1,650	12,531	430	2,106	654	629	383	18,383	
Reopen	Phone	9	64	24	28	9	15	4	153	
				Filing Me	thod					
Total	Internet	3,752	17,279	4,343	8,140	8,349	8,845	5,105	55,813	
Total	Phone	818	1,147	799	717	566	552	125	4,724	
	Total									
Total	All	4,570	18,426	5,142	8,857	8,915	9,397	5,230	60,537	

UI Initial Claims by Day Comparison to Previous Week

Previous Week

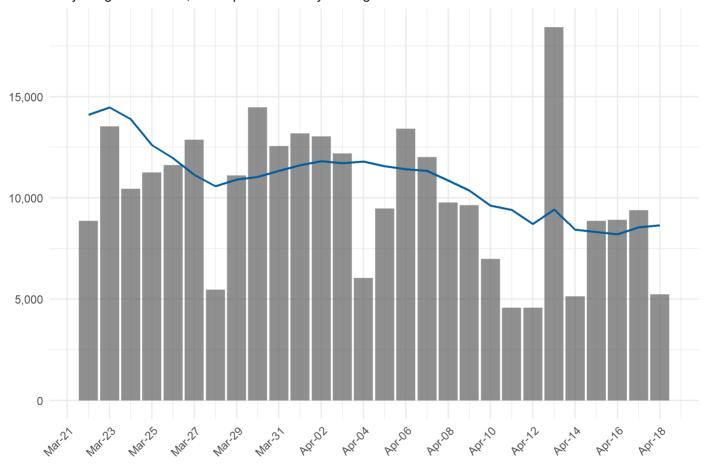
Claim Type	Sunday 4/5	Monday 4/6	Tuesday 4/7	Wednesday 4/8	Thursday 4/9	Friday 4/10	Saturday 4/11	Total
Additional	1,427	1,014	883	408	427	274	169	4,602
Initial	6,372	11,889	9,867	9,163	9,007	6,571	4,305	57,174
Reopen	1,682	519	1,261	193	200	140	102	4,097
Total	9,481	13,422	12,011	9,764	9,634	6,985	4,576	65,873

Current Week

Claim Type	Sunday 4/12	Monday 4/13	Tuesday 4/14	Wednesday 4/15	Thursday 4/16	Friday 4/17	Saturday 4/18	Total
Additional	944	1,130	395	497	438	404	267	4,075
Initial	1,967	4,701	4,293	6,226	7,814	8,349	4,576	37,926
Reopen	1,659	12,595	454	2,134	663	644	387	18,536
Total	4,570	18,426	5,142	8,857	8,915	9,397	5,230	60,537

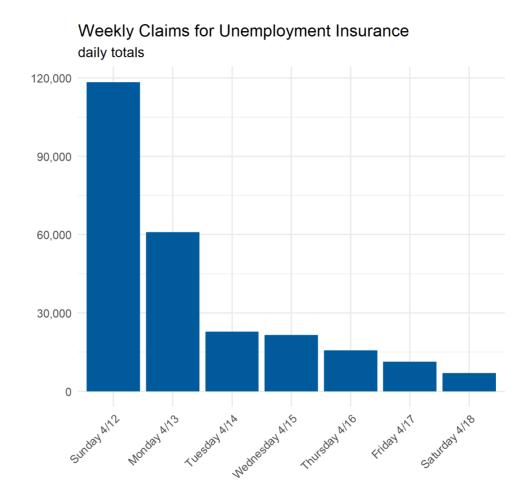
UI Initial Claims Daily Series

Initial Claims for Unemployment Insurance daily filings since 3/22; line represents 7 day average



UI Continued Claims by Day for Week Ending 4/18/2020

- Continued claims by type and filing method for week ending 4/18/2020.
- Sunday is the beginning of new claim week and when claimants typically file their weekly claim.
- Daily data is unofficial and is unlikely to match federal reporting totals due to reporting differences.



UI Continued Claims by Day for Week Ending 4/18/2020

Claim Type	Filing Method	Sunday 4/12	Monday 4/13	Tuesday 4/14	Wednesday 4/15	Thursday 4/16	Friday 4/17	Saturday 4/18	Total	
	Claim Type & Filing Method									
Weekly	Internet	98,170	56,525	20,542	20,027	14,725	10,552	6,746	227,287	
Weekly	Phone	20,278	4,426	2,313	1,540	891	716	192	30,356	
				Filing I	Method					
Total	Internet	98,170	56,525	20,542	20,027	14,725	10,552	6,746	227,287	
Total	Phone	20,278	4,426	2,313	1,540	891	716	192	30,356	
	Total									
Total	All	118,448	60,951	22,855	21,567	15,616	11,268	6,938	257,643	

UI Continued Claims by Day Comparison

Last Week

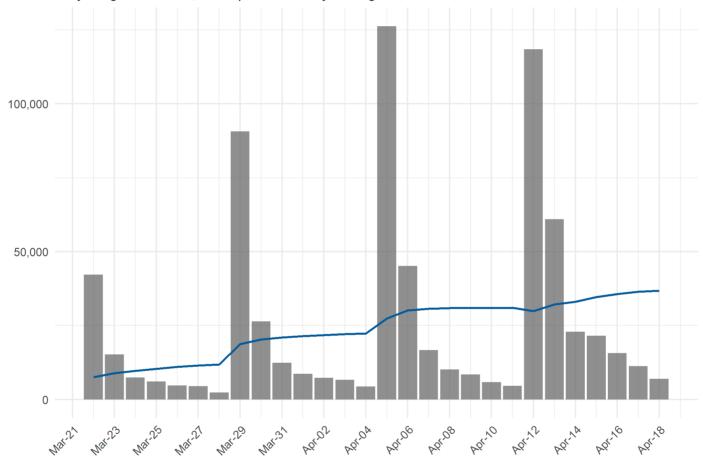
Claim Type	Sunday 4/5	Monday 4/6	Tuesday 4/7	Wednesday 4/8	Thursday 4/9	Friday 4/10	Saturday 4/11	Total
Weekly	126,214	45,085	16,614	10,095	8,362	5,801	4,566	216,737
Total	126,214	45,085	16,614	10,095	8,362	5,801	4,566	216,737

Current Week

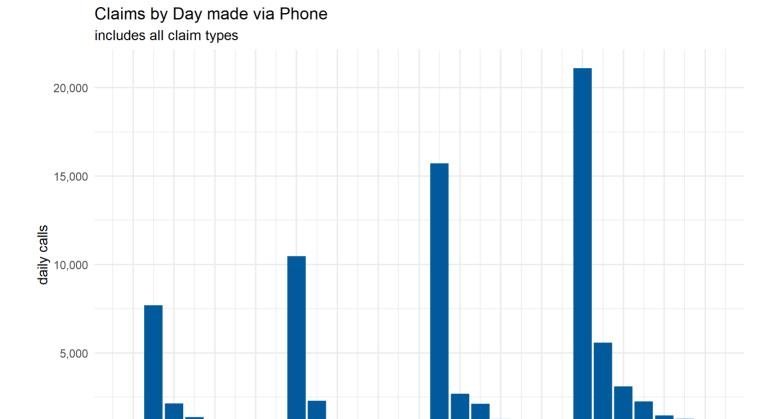
Claim Type	Sunday 4/12	Monday 4/13	Tuesday 4/14	Wednesday 4/15	Thursday 4/16	Friday 4/17	Saturday 4/18	Total
Weekly	118,448	60,951	22,855	21,567	15,616	11,268	6,938	257,643
Total	118,448	60,951	22,855	21,567	15,616	11,268	6,938	257,643

UI Continued Claims Daily Series

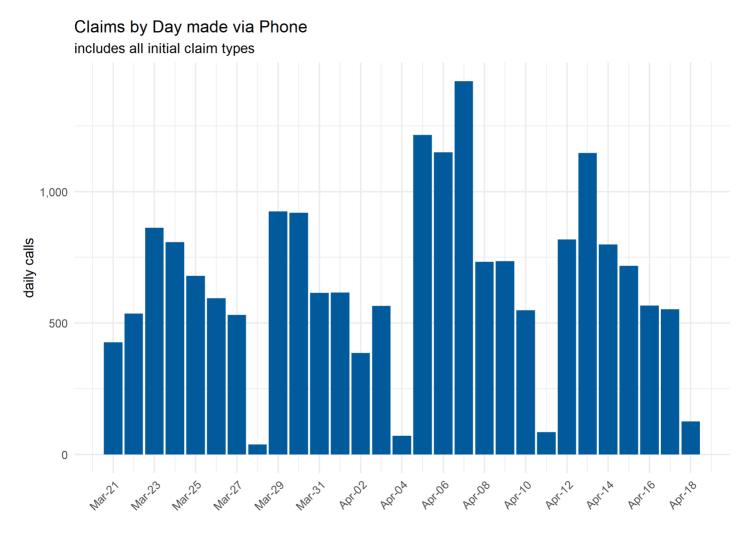
Continued Claims for Unemployment Insurance daily filings since 3/22; line represents 7 day average



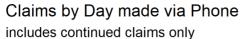
Daily Phone Call Volume (All Claim Types)

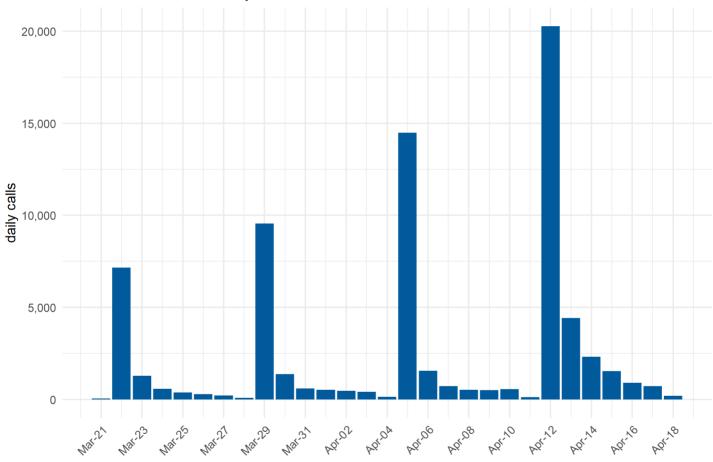


Daily Phone Call Volume (Initial Claims)



Daily Phone Call Volume (Continued Claims)

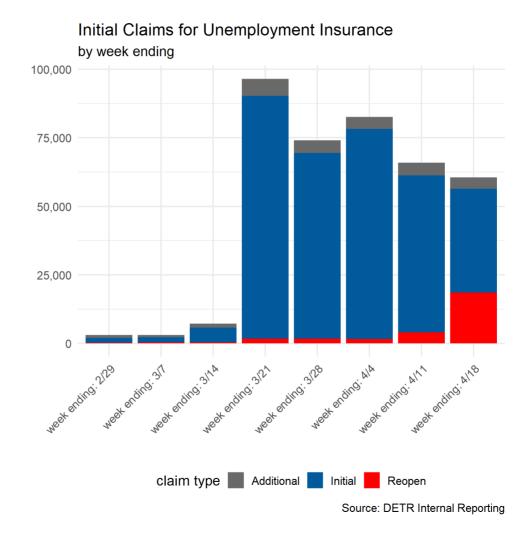




Weekly Statistics

UI Initial Claims by Week

- Initial claims totals by type and filing method for week ending 4/18/2020.
- Weekly data is unofficial and is unlikely to match federal reporting totals due to reporting differences.

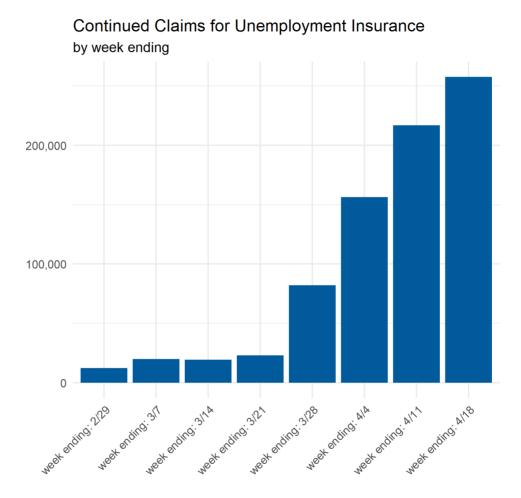


UI Initial Claims by Week

Claim Type	Filing Method	week ending: 2/29	week ending: 3/7	week ending: 3/14	week ending: 3/21	week ending: 3/28	week ending: 4/4	week ending: 4/11	week ending: 4/18		
	Claim Type & Filing Method										
Additional	Internet	564	404	921	5,090	3,381	2,600	1,672	1,694		
Additional	Phone	575	497	523	1,186	1,189	1,810	2,930	2,381		
Initial	Internet	1,255	1,389	4,835	85,327	64,946	74,287	54,304	35,736		
Initial	Phone	379	445	483	3,186	2,822	2,266	2,870	2,190		
Reopen	Internet	301	329	419	1,671	1,685	1,623	4,010	18,383		
Reopen	Phone	23	27	27	41	35	20	87	153		
				Filing Me	thod						
Total	Internet	2,120	2,122	6,175	92,088	70,012	78,510	59,986	55,813		
Total	Phone	977	969	1,033	4,413	4,046	4,096	5,887	4,724		
	Total										
Total	All	3,097	3,091	7,208	96,501	74,058	82,606	65,873	60,537		

UI Continued Claims by Week

- Continued claims totals by type and filing method for week ending 4/18/2020.
- Weekly data is unofficial and is unlikely to match federal reporting totals due to reporting differences.

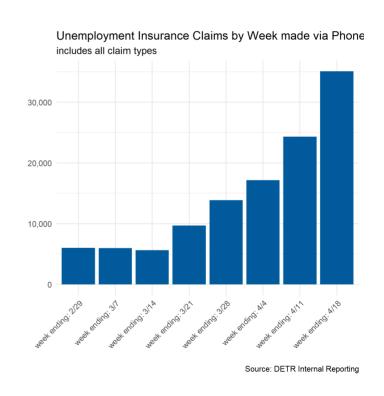


UI Continued Claims by Week

Claim Type	Filing Method	week ending: 2/29	week ending: 3/7	week ending: 3/14	week ending: 3/21	week ending: 3/28	week ending: 4/4	week ending: 4/11	week ending: 4/18	
	Claim Type & Filing Method									
Weekly	Internet	7,346	14,863	14,790	17,771	72,407	143,359	198,290	227,287	
Weekly	Phone	5,027	5,003	4,586	5,272	9,799	13,042	18,447	30,356	
				Filing M	lethod					
Total	Internet	7,346	14,863	14,790	17,771	72,407	143,359	198,290	227,287	
Total	Phone	5,027	5,003	4,586	5,272	9,799	13,042	18,447	30,356	
	Total									
Total	All	12,373	19,866	19,376	23,043	82,206	156,401	216,737	257,643	

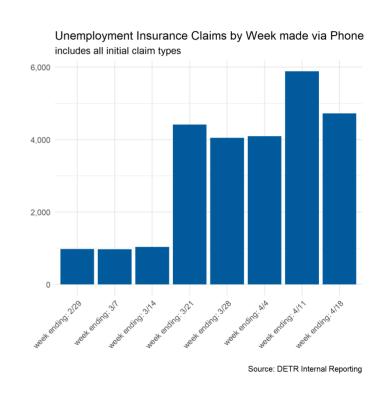
Weekly Call Volume (All Claim Types)

Week	Total IVR Claims	+/- change	% change
week ending: 2/29	6,004	-	-
week ending: 3/7	5,972	-32	-0.53%
week ending: 3/14	5,619	-353	-5.91%
week ending: 3/21	9,685	4,066	72.36%
week ending: 3/28	13,845	4,160	42.95%
week ending: 4/4	17,138	3,293	23.78%
week ending: 4/11	24,334	7,196	41.99%
week ending: 4/18	35,080	10,746	44.16%



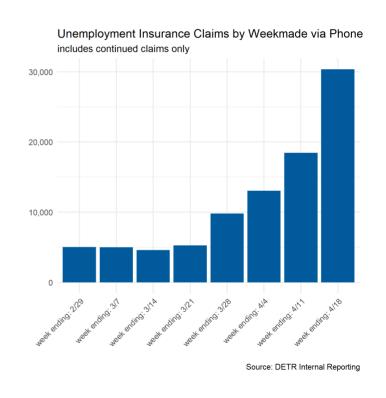
Weekly Call Volume (Initial Claims)

Week	Total IVR Claims	+/- change	% change
week ending: 2/29	977	-	-
week ending: 3/7	969	-8	-0.82%
week ending: 3/14	1,033	64	6.60%
week ending: 3/21	4,413	3,380	327.20%
week ending: 3/28	4,046	-367	-8.32%
week ending: 4/4	4,096	50	1.24%
week ending: 4/11	5,887	1,791	43.73%
week ending: 4/18	4,724	-1,163	-19.76%



Weekly Call Volume (Continued Claims)

Week	Total IVR Claims	+/- change	% change
week ending: 2/29	5,027	-	-
week ending: 3/7	5,003	-24	-0.48%
week ending: 3/14	4,586	-417	-8.33%
week ending: 3/21	5,272	686	14.96%
week ending: 3/28	9.799	4,527	85.87%
week ending: 4/4	13,042	3,243	33.10%
week ending: 4/11	18,447	5,405	41.44%
week ending: 4/18	30,356	11,909	64.56%



UI Claims Activity by County

UI Daily Initial Claims by County for Week Ending 4/18/2020

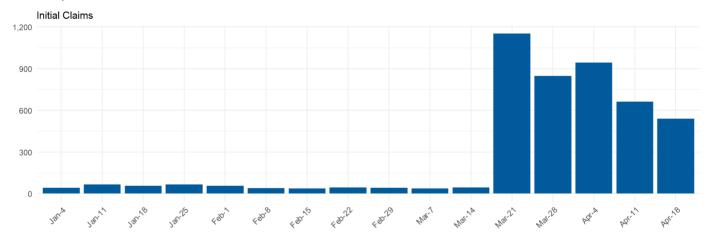
County	2020-04-12	2020-04-13	2020-04-14	2020-04-15	2020-04-16	2020-04-17	2020-04-18	Total
Carson City	69	188	76	20	95	104	57	609
Churchill	18	56	24	9	36	30	18	191
Clark	3,643	14,785	3,678	2,267	6,901	7,310	4,165	42,749
Douglas	35	117	55	6	76	92	48	429
Elko	50	146	50	6	71	90	37	450
Esmeralda	0	0	1	0	0	0	1	2
Eureka	0	0	0	1	0	0	0	1
Humboldt	7	12	10	1	58	24	13	125
Lander	0	9	1	1	5	3	1	20
Lincoln	1	1	1	0	0	1	1	5
Lyon	103	292	115	22	134	144	85	895
Mineral	1	8	5	0	5	3	3	25
Nye	41	130	32	9	59	47	27	345
005	133	729	279	33	304	350	136	1,964
Pershing	2	7	1	1	3	1	2	17
Storey	0	4	3	0	2	2	1	12
Washoe	462	1,930	807	208	1,163	1,185	632	6,387
White Pine	3	11	4	4	2	9	3	36

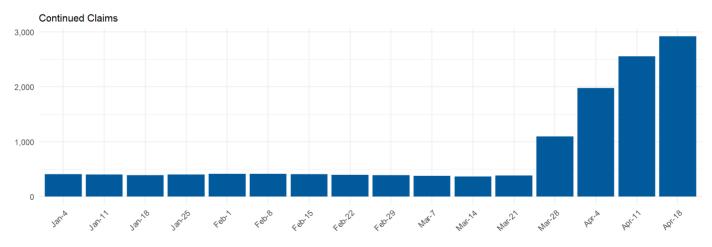
UI Daily Continued Claims by County for Week Ending 4/18/2020

County	2020-04-12	2020-04-13	2020-04-14	2020-04-15	2020-04-16	2020-04-17	2020-04-18	Total
Carson City	1,271	733	270	21	214	133	71	2,713
Churchill	264	177	51	5	48	23	19	587
Clark	100,074	49,734	18,729	3,170	12,552	9,015	5,663	198,937
Douglas	792	527	205	25	126	98	57	1,830
Elko	1,026	453	150	6	165	103	56	1,959
Esmeralda	4	4	1	1	1	0	0	11
Eureka	16	5	3	0	0	0	0	24
Humboldt	124	81	42	1	23	18	11	300
Lander	54	29	3	1	3	2	3	95
Lincoln	51	13	4	0	3	0	1	72
Lyon	993	597	200	20	135	100	67	2,112
Mineral	49	33	7	0	4	5	3	101
Nye	827	423	163	14	96	60	46	1,629
005	2,997	1,374	499	73	367	297	164	5,771
Pershing	44	18	7	1	4	0	0	74
Storey	25	24	1	0	6	5	0	61
Washoe	9,742	6,683	2,499	274	1,859	1,402	772	23,231
White Pine	90	39	19	0	8	9	5	170

UI Claims for Carson City

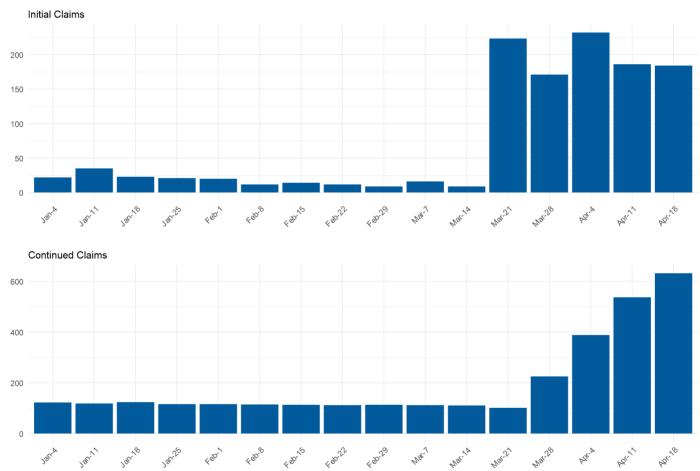
Carson City Unemployment Insurance Claims by Week since January 2020





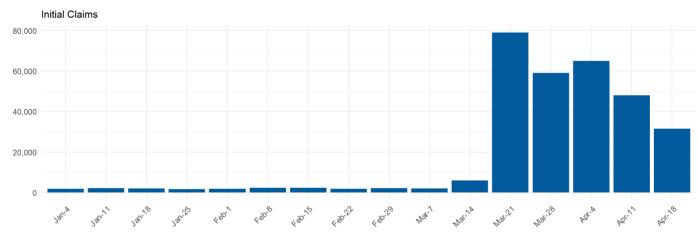
UI Claims for Churchill County

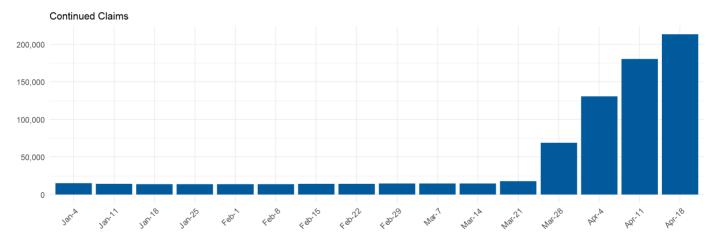
Churchill County Unemployment Insurance Claims by Week since January 2020



UI Claims for Clark County

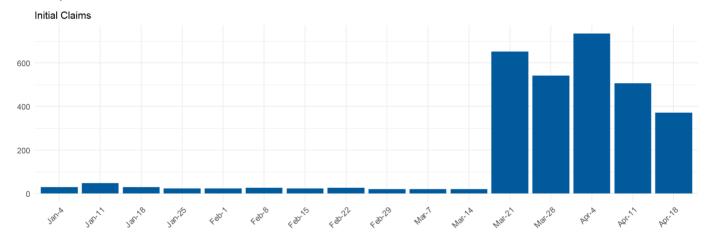
Clark County Unemployment Insurance Claims by Week since January 2020

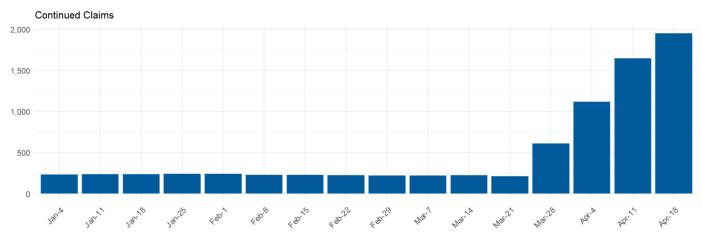




UI Claims for Douglas County

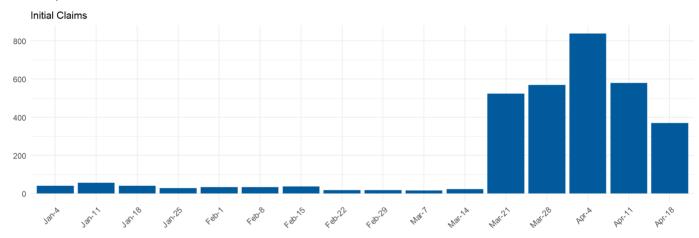
Douglas County Unemployment Insurance Claims by Week since January 2020

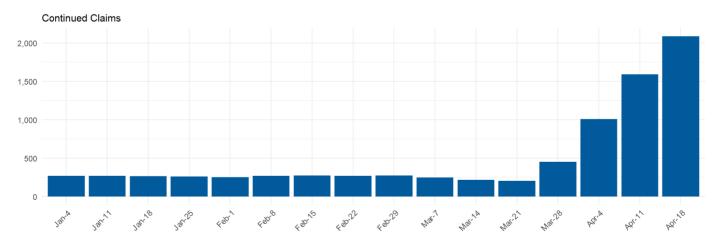




UI Claims for Elko County

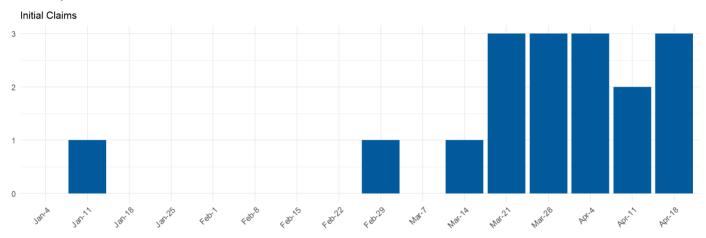
Elko County Unemployment Insurance Claims by Week since January 2020

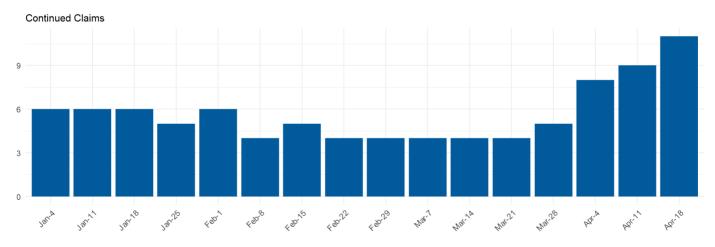




UI Claims for Esmeralda County

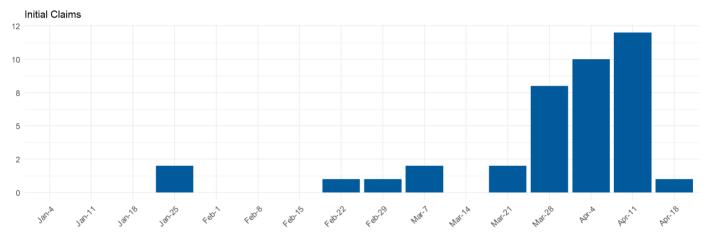
Esmeralda County Unemployment Insurance Claims by Week since January 2020

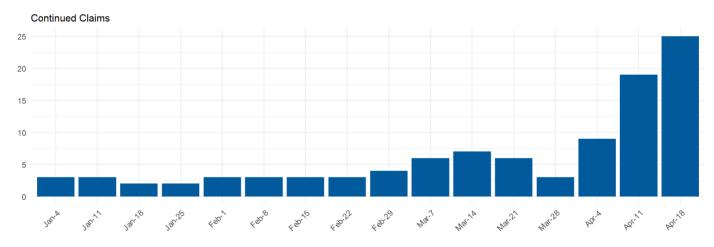




UI Claims for Eureka County

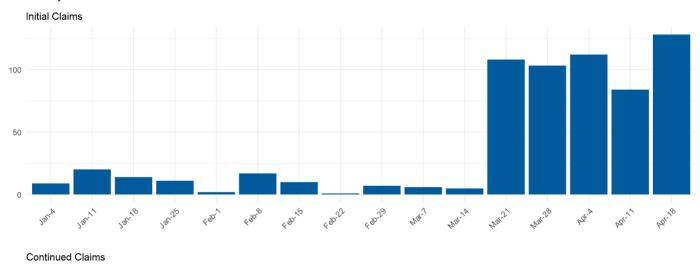
Eureka County Unemployment Insurance Claims by Week since January 2020

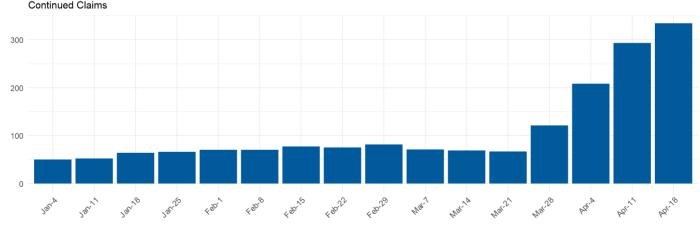




UI Claims for Humboldt County

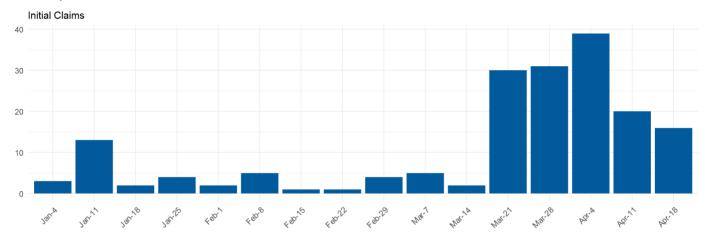
Humboldt County Unemployment Insurance Claims by Week since January 2020

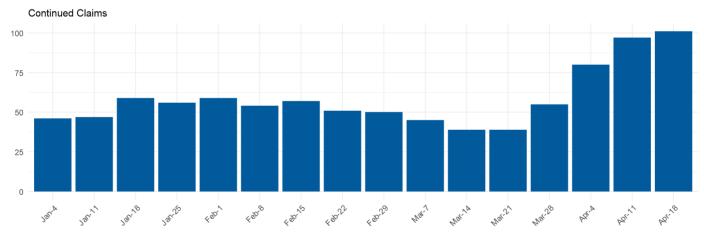




UI Claims for Lander County

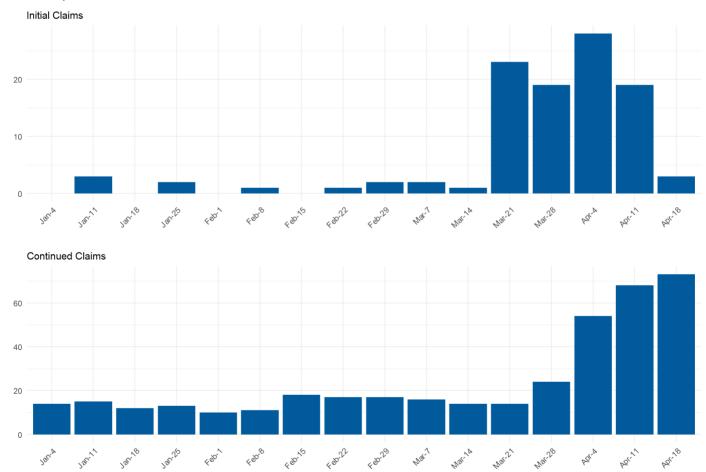
Lander County Unemployment Insurance Claims by Week since January 2020





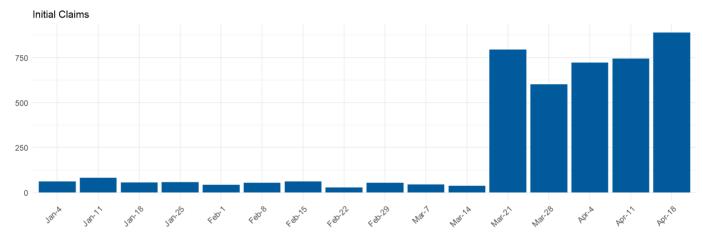
UI Claims for Lincoln County

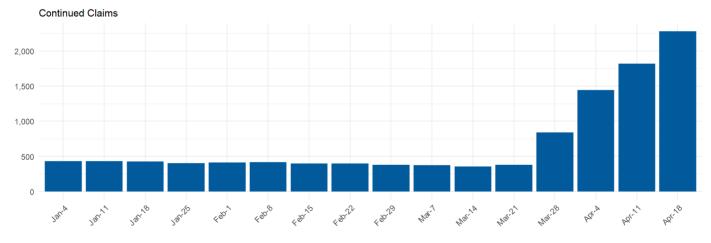
Lincoln County Unemployment Insurance Claims by Week since January 2020



UI Claims for Lyon County

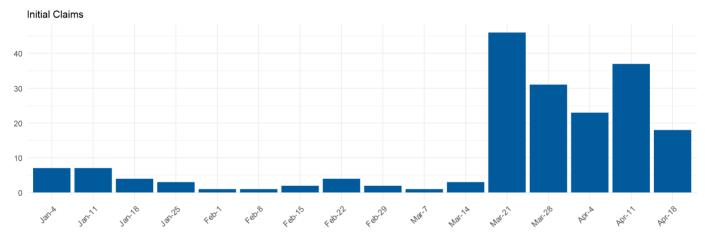
Lyon County Unemployment Insurance Claims by Week since January 2020

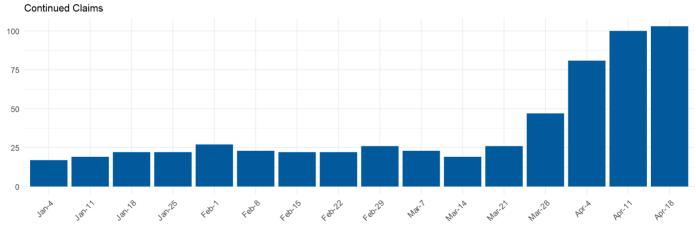




UI Claims for Mineral County

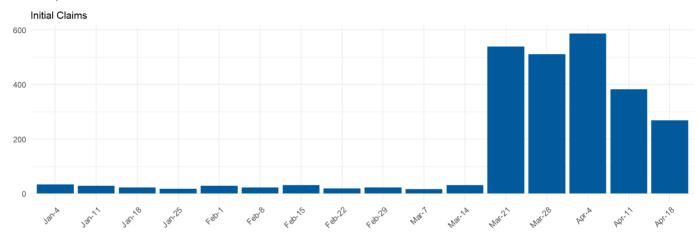
Mineral County Unemployment Insurance Claims by Week since January 2020

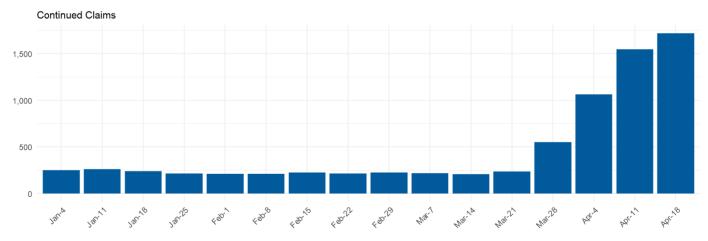




UI Claims for Nye County

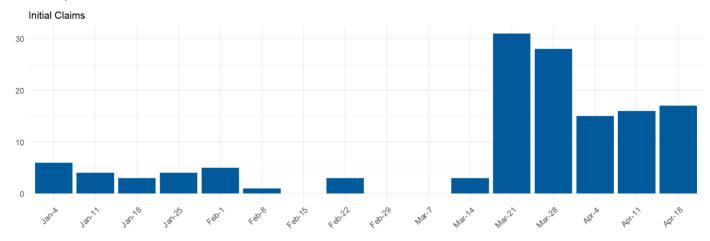
Nye County Unemployment Insurance Claims by Week since January 2020

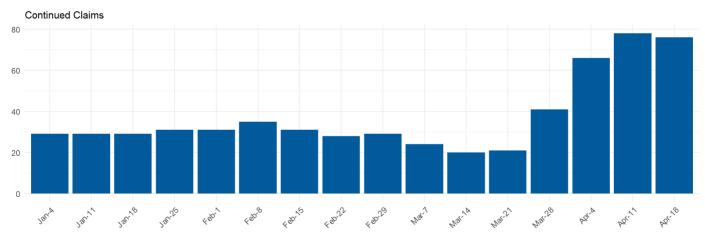




UI Claims for Pershing County

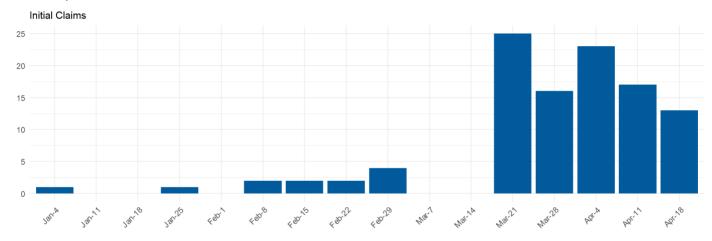
Pershing County Unemployment Insurance Claims by Week since January 2020

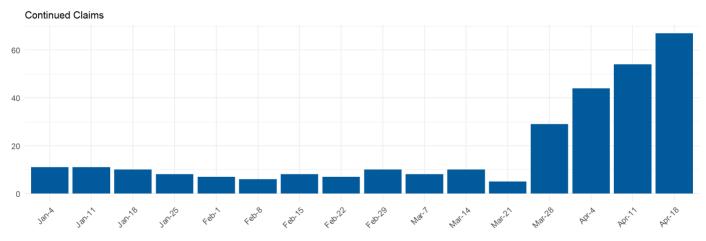




UI Claims for Storey County

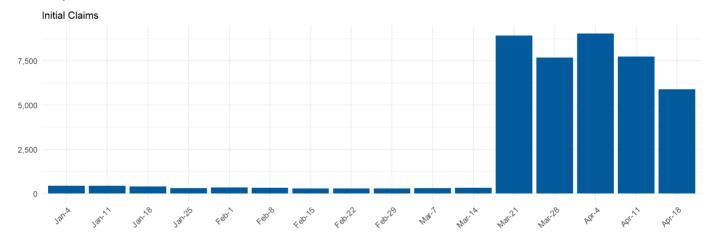
Storey County Unemployment Insurance Claims by Week since January 2020

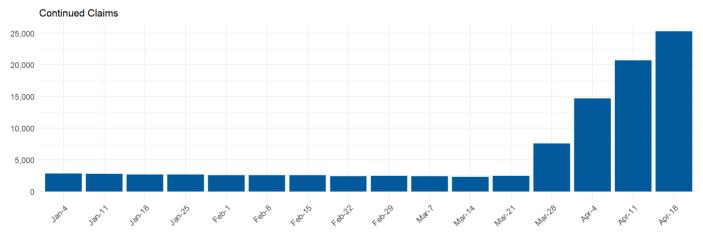




UI Claims for Washoe County

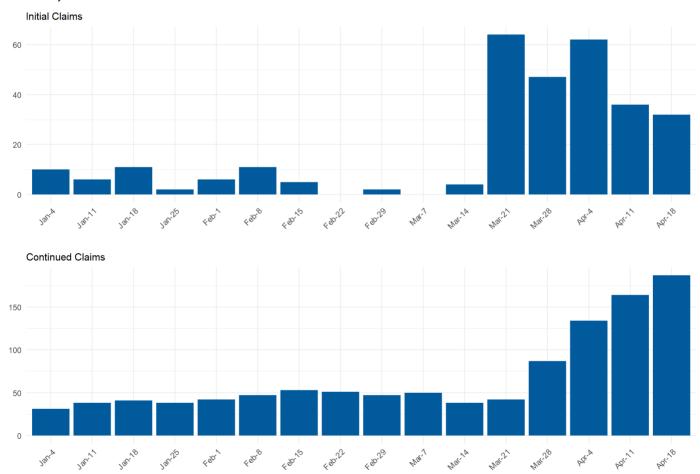
Washoe County Unemployment Insurance Claims by Week since January 2020





UI Claims for White Pine County

White Pine County Unemployment Insurance Claims by Week since January 2020



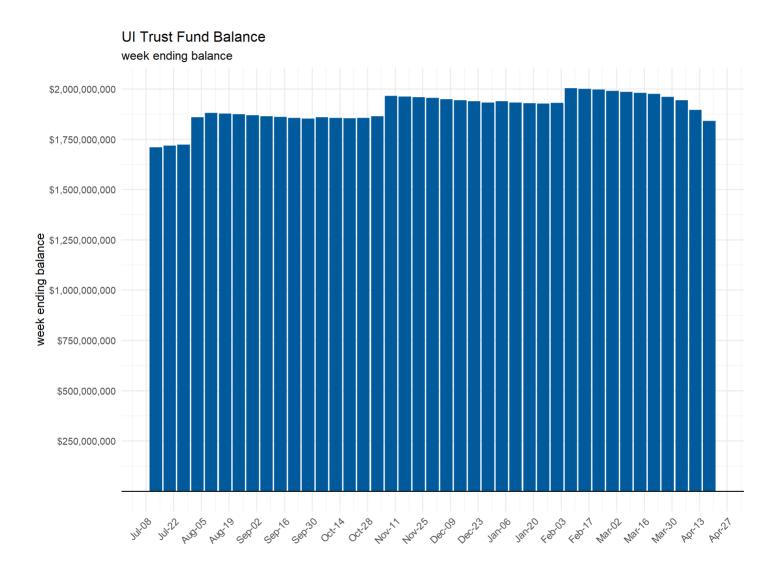
UI Trust Fund Status

UI Trust Fund Balance

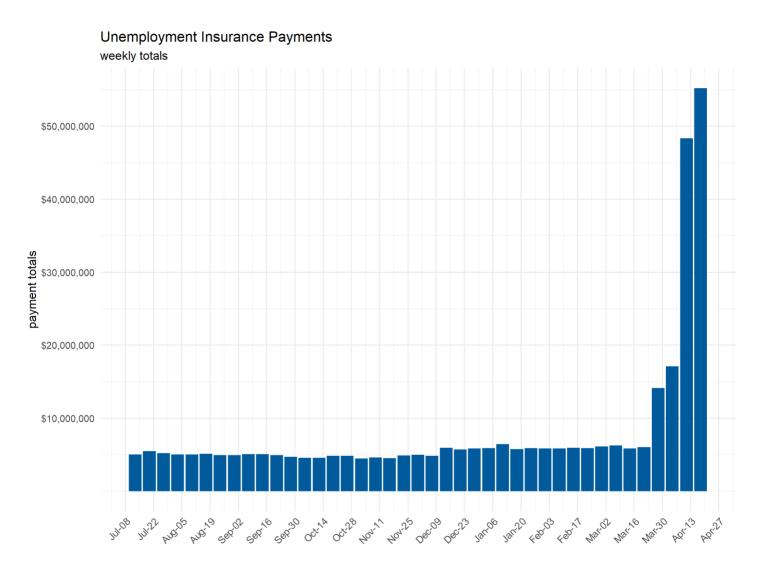
This Trust Fund balance is the end of week balance from DETR Financial Management reports. Weeks of benefits remaining is calculated by using last week's UI payment total. As initial claims turn into first payments and then into continued claims, weekly payments **will** rise. In turn, the weeks of benefits in the Trust Fund will fall dramatically.

Measure	Current	Previous Week	Change from Previous Week
Trust Fund Balance	\$1,840,004,696	\$1,895,205,862	-\$55,201,166
UI Payments	\$55,201,166	\$48,330,605	\$6,870,560
Weeks of Benefits in Trust Fund	33.33	39.21	-5.88

Trust Fund Balance



Weekly Payments



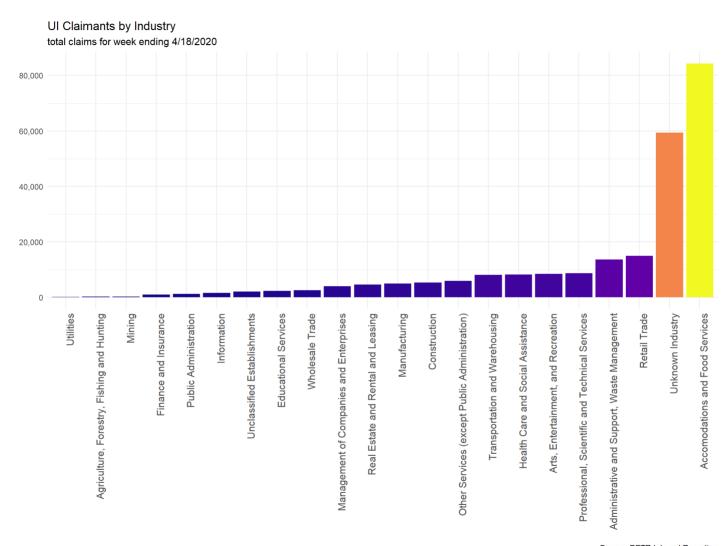
UI Claimant Characteristics

Claimant Characteristics: Industry Trends

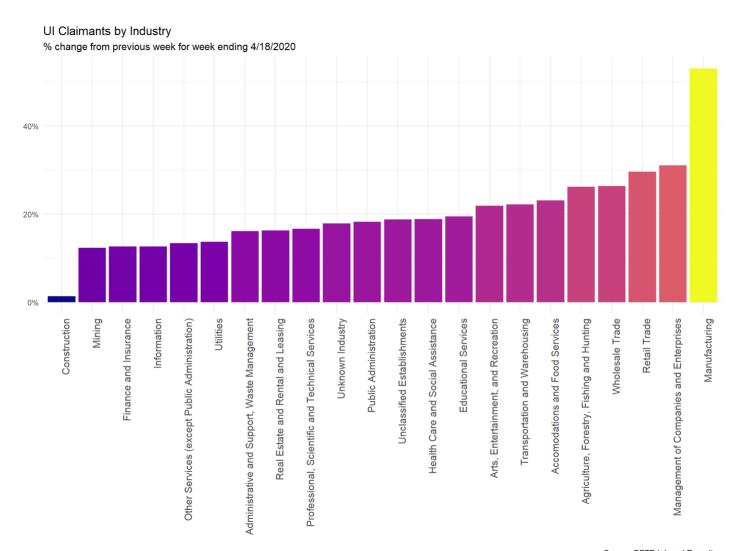
Claims by Industry Table for Week Ending 4/18/2020

Industry	Current Week	Previous Week	+/- change	% change	4 Week Average	Share of Total
Accomodations and Food Services	84,238	68,425	15,813	23.1%	57,454	34.9%
Administrative and Support, Waste Management	13,523	11,643	1,880	16.1%	10,069	5.6%
Agriculture, Forestry, Fishing and Hunting	159	126	33	26.2%	112	0.1%
Arts, Entertainment, and Recreation	8,423	6,911	1,512	21.9%	5,899	3.5%
Construction	5,231	5,161	70	1.4%	4,661	2.2%
Educational Services	2,232	1,868	364	19.5%	1,614	0.9%
Finance and Insurance	964	856	108	12.6%	748	0.4%
Health Care and Social Assistance	8,140	6,850	1,290	18.8%	5,596	3.4%
Information	1,489	1,322	167	12.6%	1,044	0.6%
Management of Companies and Enterprises	3,990	3,045	945	31.0%	2,580	1.7%
Manufacturing	4,932	3,223	1,709	53.0%	3,037	2.0%
Mining	173	154	19	12.3%	156	0.1%
Other Services (except Public Administration)	5,828	5,140	688	13.4%	4,330	2.4%
Professional, Scientific and Technical Services	8,579	7,356	1,223	16.6%	6,464	3.6%
Public Administration	1,126	952	174	18.3%	820	0.5%
Real Estate and Rental and Leasing	4,509	3,877	632	16.3%	3,209	1.9%
Retail Trade	14,935	11,522	3,413	29.6%	9,580	6.2%
Transportation and Warehousing	8,062	6,598	1,464	22.2%	5,442	3.3%
Unknown Industry	59,334	50,326	9,008	17.9%	41,681	24.6%
Unclassified Establishments	2,037	1,715	322	18.8%	1,449	0.8%
Utilities	116	102	14	13.7%	95	0.0%
Wholesale Trade	2,550	2,018	532	26.4%	1,664	1.1%

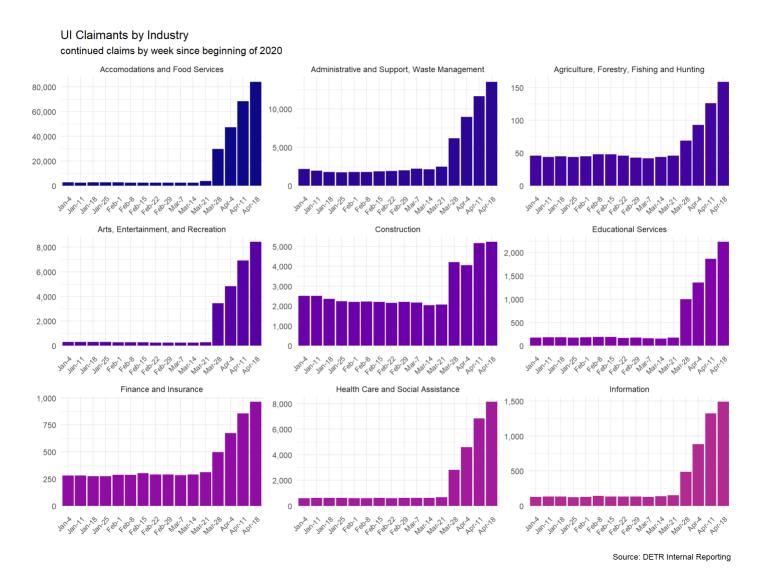
Claims by Industry Totals



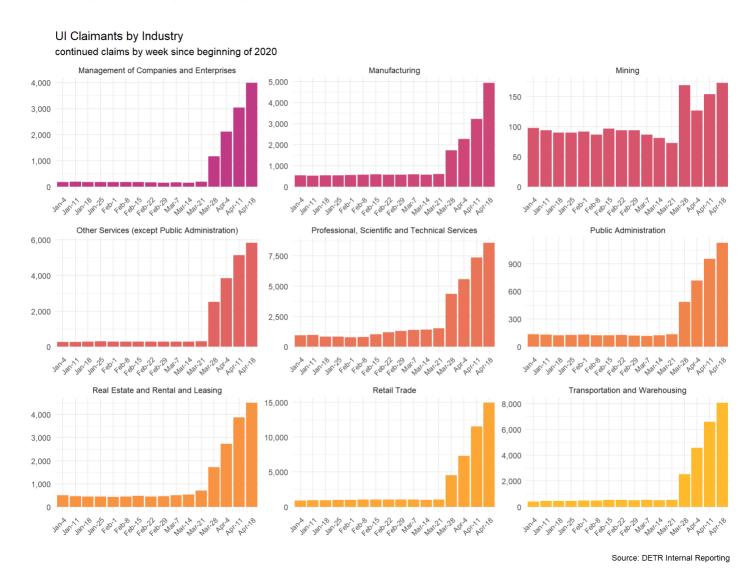
Claims by Industry Percent Changes from Previous Week



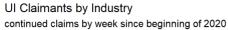
Claims by Industry Weekly Claims Trends (1/3)

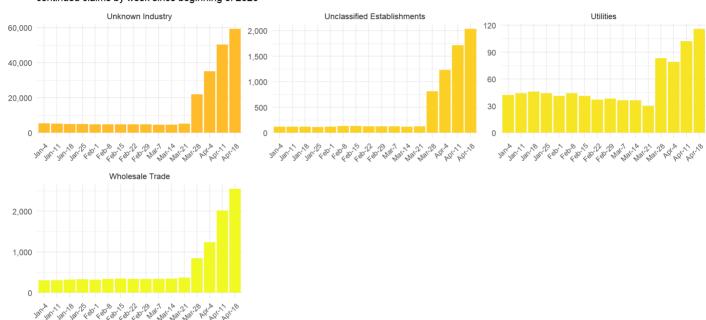


Claims by Industry Weekly Claims Trends (2/3)



Claims by Industry Weekly Claims Trends (3/3)



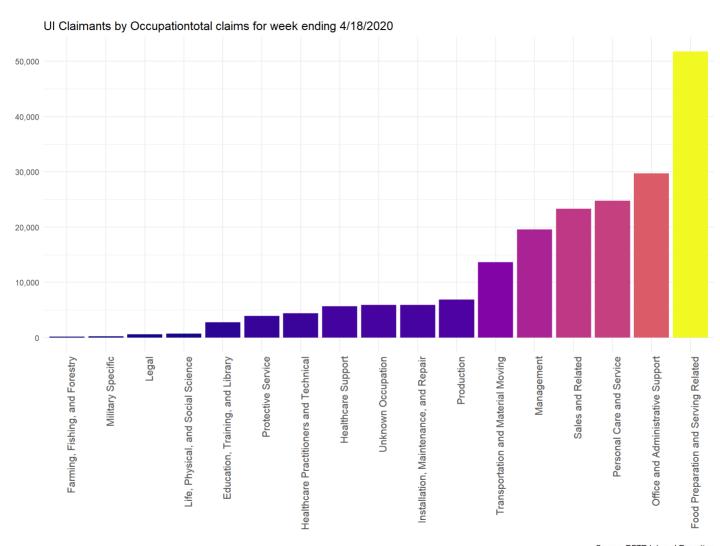


Claimant Characteristics: Occupation Trends

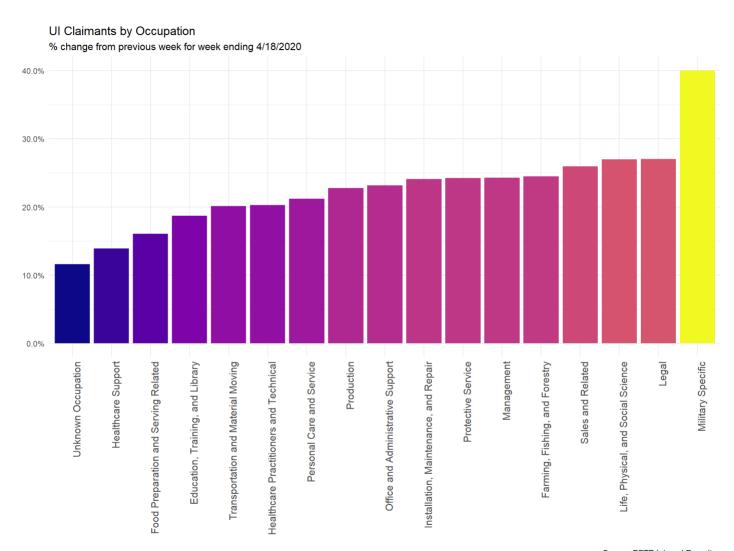
Claims by Occupation Table for Week Ending 4/18/2020

Occupation	Current Week	Previous Week	+/- change	% change	4 Week Average	Share of Total
Education, Training, and Library	2,784	2,345	439	18.7%	1,962	1.2%
Farming, Fishing, and Forestry	183	147	36	24.5%	135	0.1%
Food Preparation and Serving Related	51,758	44,589	7,169	16.1%	38,543	21.5%
Healthcare Practitioners and Technical	4,394	3,653	741	20.3%	2,988	1.8%
Healthcare Support	5,667	4,975	692	13.9%	4,069	2.4%
Installation, Maintenance, and Repair	5,936	4,784	1,152	24.1%	4,070	2.5%
Legal	573	451	122	27.1%	388	0.2%
Life, Physical, and Social Science	697	549	148	27.0%	491	0.3%
Management	19,576	15,748	3,828	24.3%	13,282	8.1%
Military Specific	245	175	70	40.0%	152	0.1%
Office and Administrative Support	29,699	24,114	5,585	23.2%	20,311	12.3%
Personal Care and Service	24,748	20,416	4,332	21.2%	16,376	10.3%
Production	6,892	5,614	1,278	22.8%	4,775	2.9%
Protective Service	3,907	3,145	762	24.2%	2,686	1.6%
Sales and Related	23,300	18,499	4,801	26.0%	15,293	9.7%
Transportation and Material Moving	13,633	11,349	2,284	20.1%	9,486	5.7%
Unknown Occupation	5,913	5,299	614	11.6%	4,082	2.5%

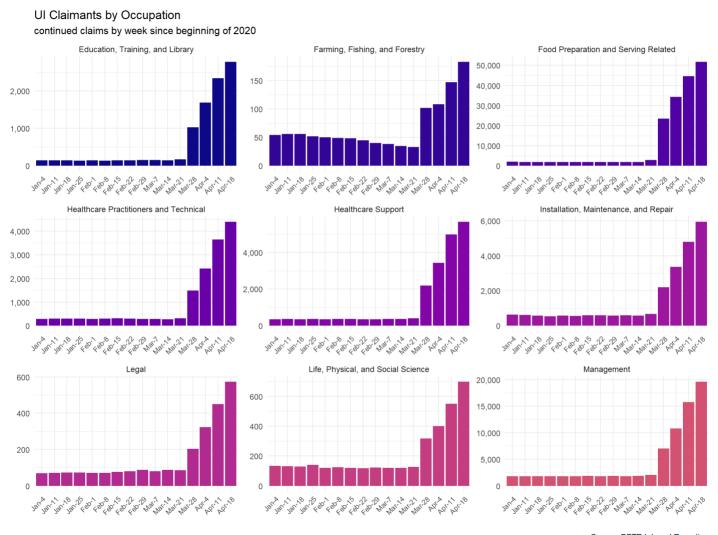
Claims by Occupation Totals



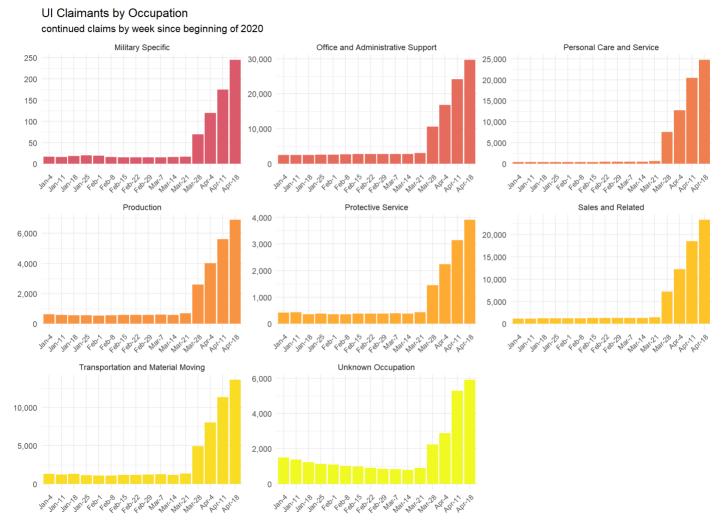
Claims by Occupation Percent Changes from Previous Week



Claims by Occupation Weekly Claims Trends (1/2)



Claims by Occupation Weekly Claims Trends (2/2)

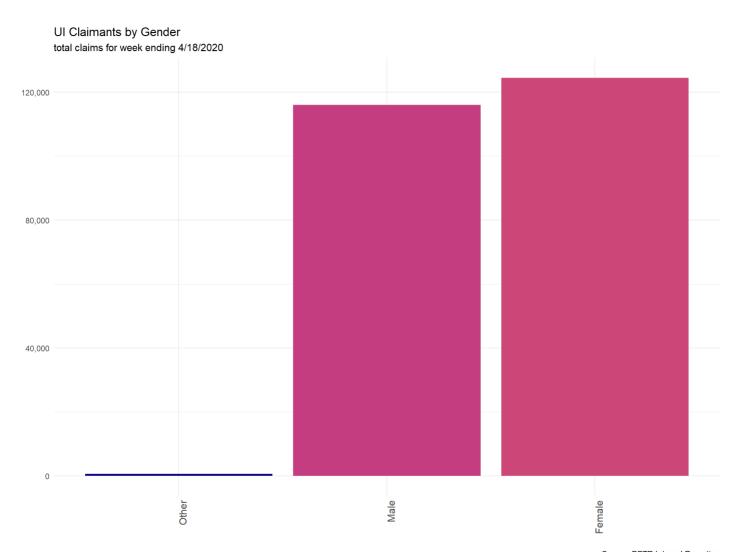


Claimant Characteristics: Gender Trends

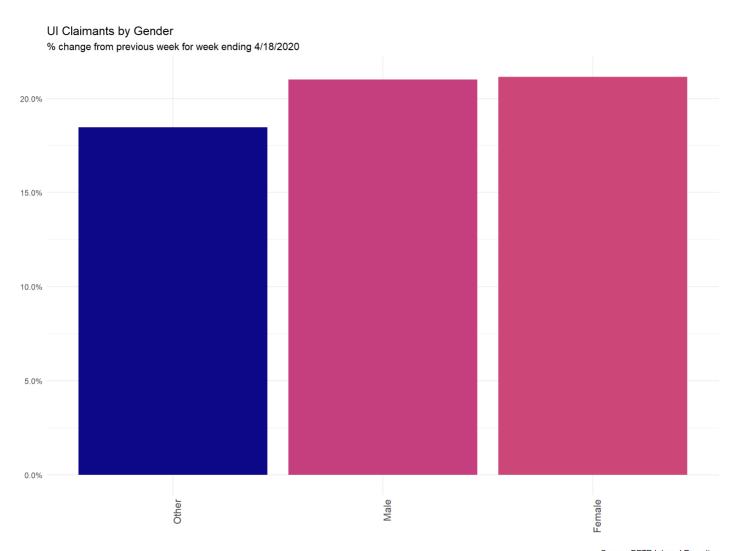
Claims by Gender Table for Week Ending 4/18/2020

Gender	Current Week	Previous Week	+/- change	% change	4 Week Average	Share of Total
Female	124,494	102,764	21,730	21.1%	86,238	51.6%
Male	116,028	95,895	20,133	21.0%	81,156	48.1%
Other	603	509	94	18.5%	438	0.3%

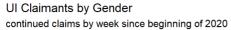
Claims by Gender Totals

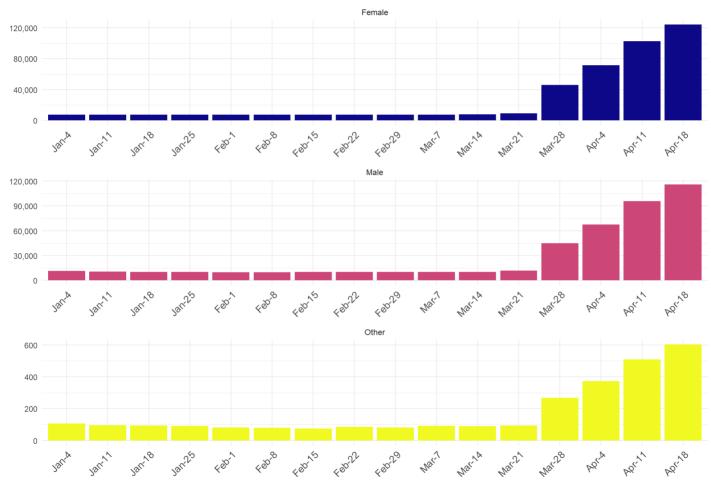


Claims by Gender Percent Changes from Previous Week



Claims by Gender Weekly Claims Trends



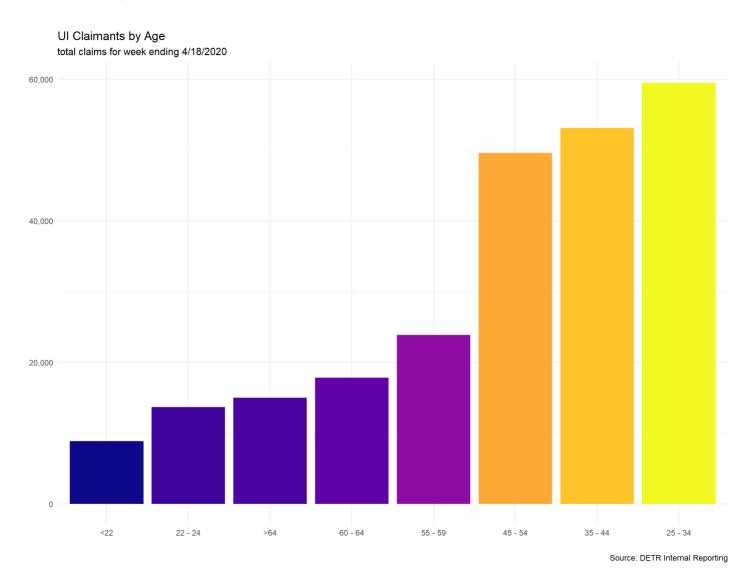


Claimant Characteristics: Age Trends

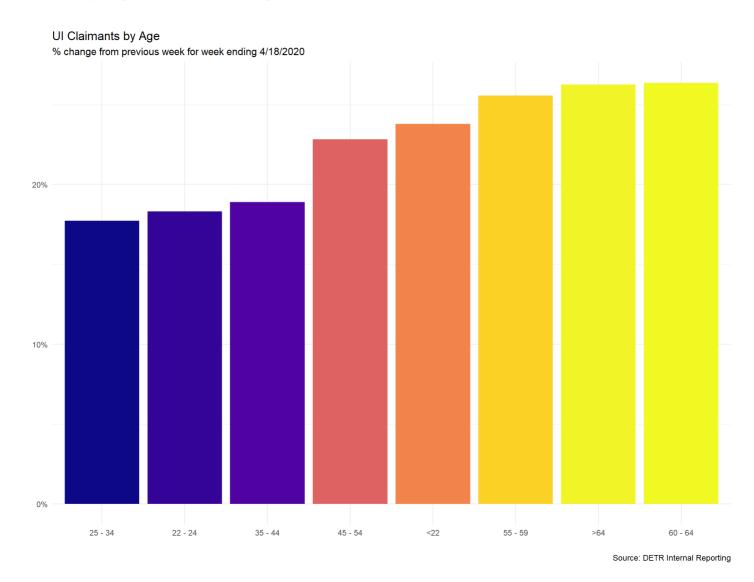
Claims by Age Table for Week Ending 4/18/2020

Age	Current Week	Previous Week	+/- change	% change	4 Week Average	Share of Total
22 - 24	13,666	11,550	2,116	18.3%	9,676	5.7%
25 - 34	59,453	50,504	8,949	17.7%	43,073	24.7%
35 - 44	53,095	44,654	8,441	18.9%	37,853	22.0%
45 - 54	49,547	40,339	9,208	22.8%	33,712	20.5%
55 - 59	23,837	18,983	4,854	25.6%	15,897	9.9%
60 - 64	17,837	14,116	3,721	26.4%	11,894	7.4%
<22	8,865	7,161	1,704	23.8%	5,860	3.7%
>64	14,975	11,861	3,114	26.3%	9,905	6.2%

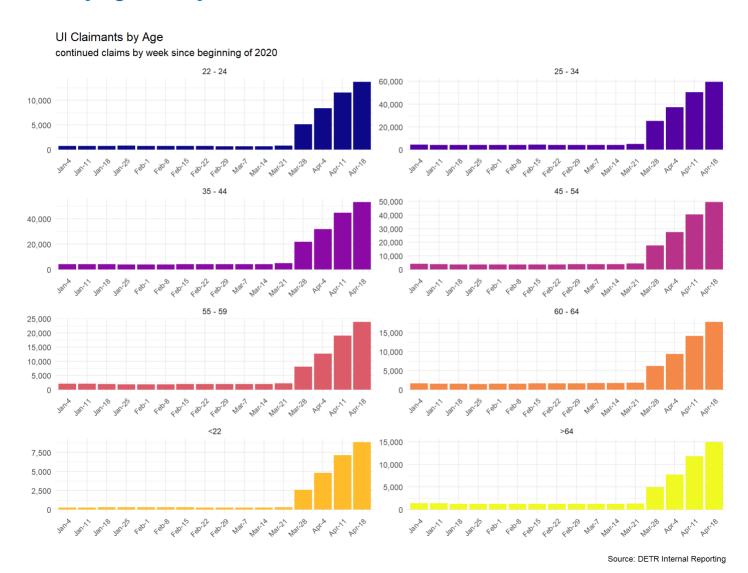
Claims by Age Totals



Claims by Age Percent Changes from Previous Week



Claims by Age Weekly Claims Trends

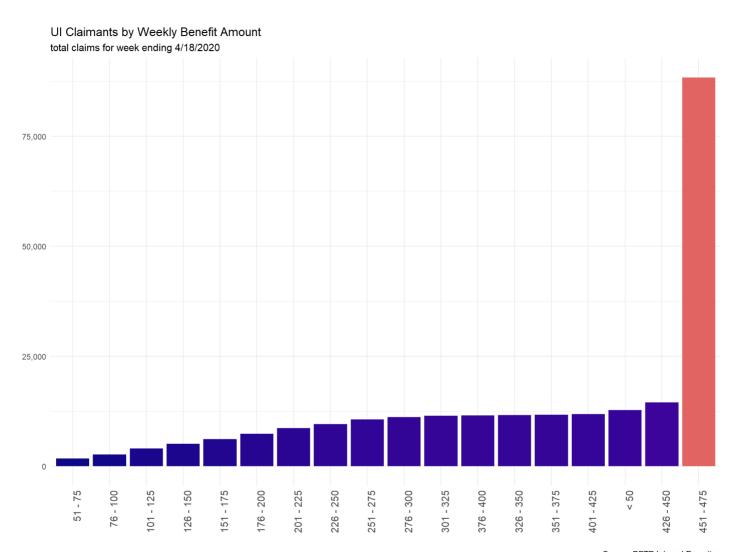


Claimant Characteristics: Weekly Benefit Amount Trends

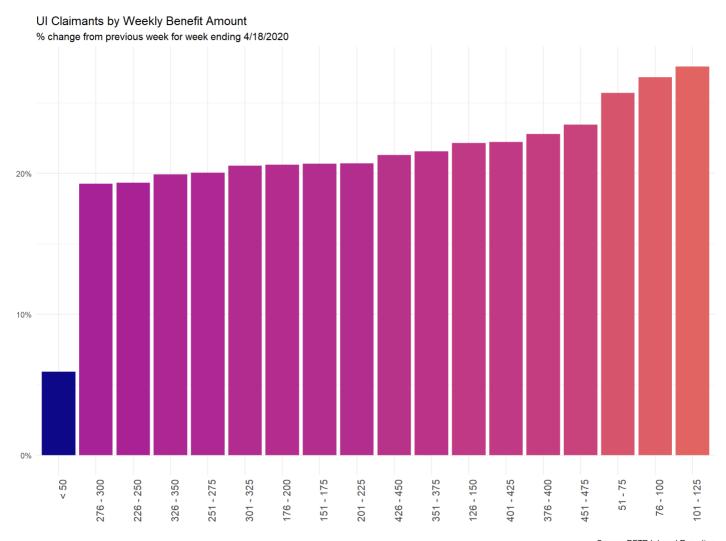
Claims by Weekly Benefit Amount Table for Week Ending 4/18/2020

WBA in \$	Current Week	Previous Week	+/- change	% change	4 Week Average	Share of Total
101 - 125	4,042	3,168	874	27.6%	2,654	1.7%
126 - 150	5,088	4,165	923	22.2%	3,456	2.1%
151 - 175	6,158	5,102	1,056	20.7%	4,248	2.6%
176 - 200	7,398	6,133	1,265	20.6%	5,165	3.1%
201 - 225	8,670	7,183	1,487	20.7%	6,094	3.6%
226 - 250	9,615	8,057	1,558	19.3%	6,804	4.0%
251 - 275	10,680	8,896	1,784	20.1%	7,574	4.4%
276 - 300	11,153	9,351	1,802	19.3%	7,944	4.6%
301 - 325	11,497	9,538	1,959	20.5%	8,167	4.8%
326 - 350	11,604	9,675	1,929	19.9%	8,286	4.8%
351 - 375	11,741	9,658	2,083	21.6%	8,274	4.9%
376 - 400	11,580	9,431	2,149	22.8%	8,069	4.8%
401 - 425	11,852	9,696	2,156	22.2%	8,226	4.9%
426 - 450	14,518	11,969	2,549	21.3%	10,266	6.0%
451 - 475	88,355	71,572	16,783	23.4%	60,731	36.6%
51 - 75	1,750	1,392	358	25.7%	1,137	0.7%
76 - 100	2,714	2,140	574	26.8%	1,772	1.1%
< 50	12,749	12,035	714	5.9%	8,971	5.3%

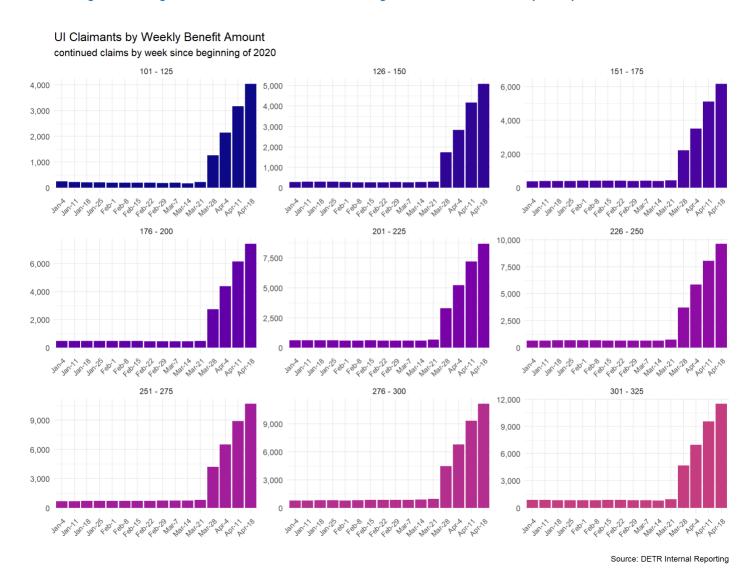
Claims by Weekly Benefit Amount Totals



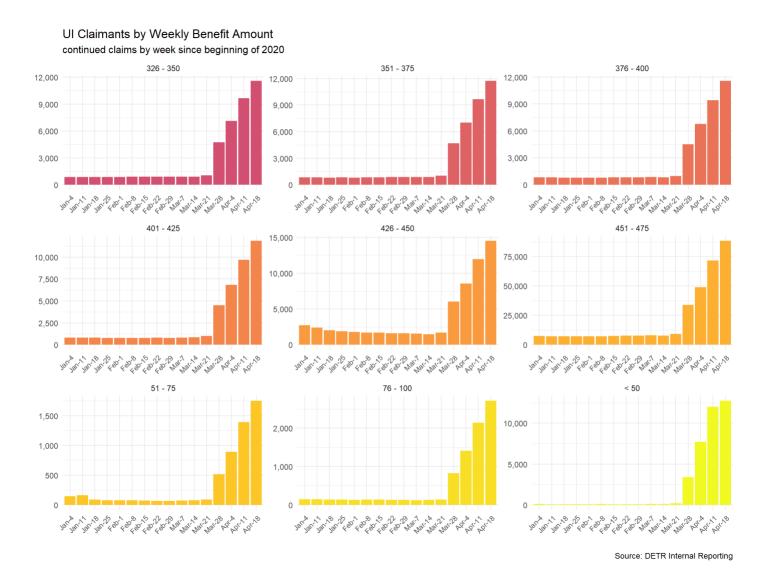
Claims by Weekly Benefit Amount Percent Changes from Previous Week



Claims by Weekly Benefit Amount Weekly Claims Trends (1/2)



Claims by Weekly Benefit Amount Weekly Claims Trends (2/2)



Glossary of Terms

Initial Claim: Any notice of unemployment filed to request a determination of eligibility for unemployment insurance benefits, or to begin a subsequent period of eligibility within a period of eligibility. Initial claims measure emerging unemployment in the state.

Additional Claim: An Initial Claim which reopens a previously existing claim, where the claimant stopped filing due to intervening employment.

Reopened Claim: A reopened claim is filed if you have previously filed a claim but never submitted any weekly claims.

Continued Claim: After an initial claim determines a claimant is eligible for unemployment insurance benefits, the claimant's weekly benefit claims are counted under continued claims. Continued claims in aggregate represents the insured unemployed receiving benefits in the state, and is used for economic purposes.

Credits

Special thanks to all the R and RStudio developers that built the packages to make this possible!

Packages used in this report: xaringan, xaringanthemer, tidyverse, rmarkdown, viridis, scales, data.table, RcppRoll, kableExtra, knitr, patchwork, ggforce, ggthemes

Prepared by: DETR Research & Analysis Bureau